

Table1

No.	Fluorine Compound Solution			Additional Metal Salt		Solution pH	Precipitate		
	Kinds	Concentration, Amount	Amount of Anion	Divalent	Trivalent		Amount	Anion Concentration	Anion Fixing Ratio
1	Per-fluoro-octanoic acid ammonium ($C_7F_{15}COONH_4$)	Aqueous solution of 0.1%, 1000ml	2.32mmol	Zn 4.64mmol	Al 2.32mmol	7	1.50 g	2.23mmol	96.1%
2	Ditto	Aqueous solution of 0.1%, 100ml Aqueous solution of 0.01%, 1000ml	2.32mmol 0.232mmol	Zn: 4.64mmol Zn: 0.464mmol	Al: 2.32mmol Al: 0.232mmol	7	1.50 g 0.15 g	2.3mmol 0.21mmol	99.1% 91.0%
3	Ditto	Aqueous solution of 0.1%, 1000ml	2.32mmol	Zn 4.64mmol	Al 2.32mmol	5	1.50 g	2.27mmol	98%
4	Ditto	Aqueous solution of 0.1%, 1000ml	2.32mmol	Mg 4.64mmol	Al 2.32mmol	10	1.10 g	1.4mmol	80%
5	Ditto	Aqueous solution of 0.1%, 1000ml	2.32mmol	Ca 4.64mmol	Al 2.32mmol	10	0.85 g	2.3mmol	60%
6	Per-fluoro-octyl-sulfonic acid ammonium ($C_8F_{17}SO_3NH_4$)	Aqueous solution of 0.1%, 1200ml	2.32mmol	Zn 4.64mmol	Al 2.32mmol	7	1.70 g	2.23mmol	99%
7	Per-fluoro-octyl-sulfonic acid lithium ($C_8F_{17}SO_3Li$)	Aqueous solution of 0.1%, 1174ml	2.32mmol	Zn 4.64mmol	Al 2.32mmol	7	1.65 g	2.21mmol	95%
10	Per-fluoro-decanoic acid ammonium ($C_9F_{19}COONH_4$)	Aqueous solution of 0.005%, 1000ml	1.16mmol	Zn 2.32mmol	Al 1.16mmol	7	0.84 g	1.09mmol	94%